

REMARKS/ARGUMENTS

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested. Claims 1-3, 10-19 and 26-32 are pending, Claims 1-3, 10-14, 17-19 and 26-31 having been amended by way of the present amendment.

In the outstanding Office Action a number of the claims were objected to; Claims 12, 13, 28 and 29 were rejected under 35 U.S.C. § 112, second paragraph; Claims 1-9 were rejected as being anticipated by Glas (U.S. Patent No. 6,330,290, hereinafter Glas); Claims 14-30 were also rejected as being unpatentable over Glas; and Claims 10-13 and 26-29 were indicated as containing allowable subject matter. Applicant appreciatively acknowledges the identification of allowable subject matter.

In reply it is believed that the objections to the pending claims have been overcome by way of the present amendment. With regard to the terms “divided” and “dividing part”, in Claims 2, 14, 18 and 30, it is respectfully submitted that a “divider” is clearly shown in Figures 6 and 11. As shown in these figures, the quadrature signal (Q-ch) is divided into quadrature signals. Accordingly, it is believed that all the other objections to the claims have been adequately addressed by the present amendment. However, if the Examiner disagrees, the Examiner is invited to telephone the undersigned so that mutually agreeable claim language may be identified.

Likewise, it is respectfully submitted that the present amendment adequately addresses the rejection under 35 U.S.C. § 112, second paragraph of Claims 12, 13, 28 and 29. However, if the Examiner disagrees the Examiner is invited to telephone the undersigned so that mutually agreeable claim language may be identified.

Claim 1 has been amended to include first and second complex frequency converters. Support for amended Claim 1 is found in Figure 5, for example, and therefore no new matter is added.

It is respectfully submitted that Glas discloses only one complex frequency converter (namely that shown in Figures 2, 40, 42, 44, 46, 52 and 54). As Glas fails to teach or suggest all of the features of amended Claim 1 it is respectfully submitted that amended Claim 1 patentably defines over Glas. Likewise, it is respectfully submitted that Claims 2 and 3 patentably define over Glas.

As Claims 10-13 were indicated as containing allowable subject matter, it is respectfully submitted that amended Claims 10-13 which are believed to comply with 35 U.S.C. § 112, second paragraph, are now in condition for formal allowance. Furthermore, the amendments to Claims 10 and 11 are believed to be adequately supported by Figure 10 and the corresponding description in the specification (e.g. page 27, line 34 to page 28, line 5). Furthermore, the amendments to Claims 12 and 13 are supported, for example, by Figure 17 and the corresponding descriptions at page 39, lines 26-35. Accordingly, no new matter is added.

The amendment to Claim 14 is supported in the present specification at Figures 22 and 23, as well as in the corresponding description in the specification. As with Claim 1, Claim 14 includes features of first and second complex frequency converters, which as discussed above with regard to Claim 1, are absent in Glas. Accordingly, it is respectfully submitted that Claims 14-16 patentably define over Glas.

Similarly, Claims 17 and 30 have been amended to include the first and second complex frequency converters. Likewise, it is believed that Claims 17-19 and 26-32, as amended, patentably define over Glas for at least the same reasons as discussed above with regard to amended Claim 1.

Consequently, in view of the present amendment and in light of the foregoing comments, it is respectfully submitted that the invention defined by Claims 1-3, 10-19 and 26-32, as amended, is definite and patentably distinguishing over the prior art. The present

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application is therefore believed to be in condition for formal allowance and an early and favorable reconsideration of this application is therefore requested.

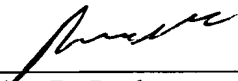
Respectfully submitted,

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